10521175.trn

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LOGINID:SSSPTA1626GMS

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	JAN 08	CHEMLIST enhanced with New Zealand Inventory of Chemicals
NEWS 3	JAN 16	CA/CAplus Company Name Thesaurus enhanced and reloaded
NEWS 4	JAN 16	IPC version 2007.01 thesaurus available on STN
NEWS 5	JAN 16	WPIDS/WPINDEX/WPIX enhanced with IPC 8 reclassification data
NEWS 6	JAN 22	CA/CAplus updated with revised CAS roles
NEWS 7	JAN 22	CA/CAplus enhanced with patent applications from India
NEWS 8	JAN 29	PHAR reloaded with new search and display fields
NEWS 9	JAN 29	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS 10	FEB 15	PATDPASPC enhanced with Drug Approval numbers
NEWS 11	FEB 15	RUSSIAPAT enhanced with pre-1994 records
NEWS 12	FEB 23	KOREAPAT enhanced with IPC 8 features and functionality
NEWS 13	FEB 26	MEDLINE reloaded with enhancements
NEWS 14	FEB 26	EMBASE enhanced with Clinical Trial Number field
NEWS 15	FEB 26	TOXCENTER enhanced with reloaded MEDLINE
NEWS 16	FEB 26	IFICDB/IFIPAT/IFIUDB reloaded with enhancements
NEWS 17	FEB 26	CAS Registry Number crossover limit increased from 10,000 to 300,000 in multiple databases
NEWS 18	MAR 15	WPIDS/WPIX enhanced with new FRAGHITSTR display format
NEWS 19	MAR 16	CASREACT coverage extended
NEWS 20	MAR 20	MARPAT now updated daily
NEWS 21	MAR 22	LWPI reloaded
NEWS 22	MAR 30	RDISCLOSURE reloaded with enhancements
NEWS 23	MAR 30	INPADOCDB will replace INPADOC on STN
NEWS 24	APR 02	JICST-EPLUS removed from database clusters and STN

NEWS EXPRESS	NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:52:11 ON 19 APR 2007

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:52:24 ON 19 APR 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 APR 2007 HIGHEST RN 930838-51-0
DICTIONARY FILE UPDATES: 18 APR 2007 HIGHEST RN 930838-51-0

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH December 2, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

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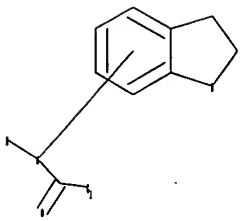
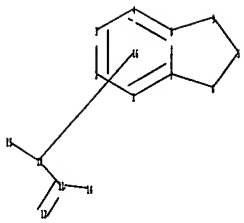
Uploading C:\Program Files\Stnexp\Queries\10521175.str





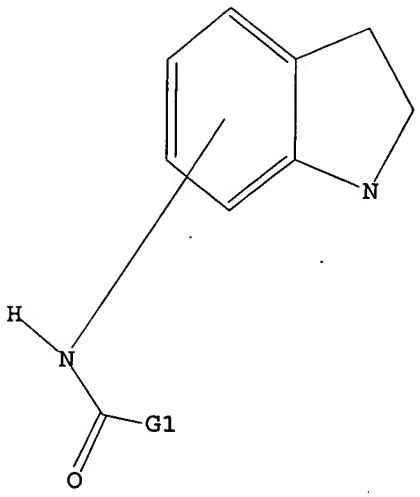
chain nodes :
10 11 12 14 15
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
10-11 10-15 11-12 11-14
ring bonds :
1-2 1-7 2-3 3-4 4-8 5-6 5-9 6-7 7-8 8-9
exact/norm bonds :
5-6 5-9 6-7 8-9 10-11 11-12 11-14
exact bonds :
10-15
normalized bonds :
1-2 1-7 2-3 3-4 4-8 7-8
isolated ring systems :
containing 1 :

G1:Cb,Cy,Ak,Ph

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 14:CLASS 15:CLASS 16:Atom

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 Cb,Cy,Ak,Ph

Structure attributes must be viewed using STN Express query preparation.

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=> s l1
SAMPLE SEARCH INITIATED 14:52:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    41501 TO ITERATE

  4.8% PROCESSED     2000 ITERATIONS                                 9 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       817853 TO   842187
PROJECTED ANSWERS:            2916 TO     4554

L2             9 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 14:52:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   827552 TO ITERATE

 99.1% PROCESSED   820461 ITERATIONS                            2680 ANSWERS

100.0% PROCESSED   827552 ITERATIONS                            2694 ANSWERS
SEARCH TIME: 00.00.19

L3          2694 SEA SSS FUL L1

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Uploading C:\Program Files\Stnexp\Queries\10521175a.str
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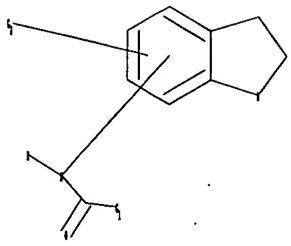

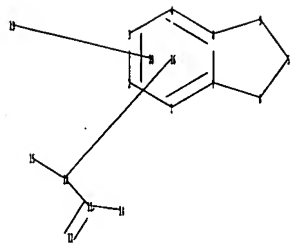

chain nodes :
10 11 12 14 15 19
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
10-11 10-15 11-12 11-14
ring bonds :
1-2 1-7 2-3 3-4 4-8 5-6 5-9 6-7 7-8 8-9
exact/norm bonds :
5-6 5-9 6-7 8-9 10-11 11-12 11-14
exact bonds :
10-15
normalized bonds :
1-2 1-7 2-3 3-4 4-8 7-8
isolated ring systems :
containing 1 :

G1:Cb,Cy,Ak,Ph

G2:MeO,EtO,n-PrO,n-BuO,NH,NH2,NO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 14:CLASS 15:CLASS 16:Atom 19:CLASS 20:Atom

L4 STRUCTURE UPLOADED

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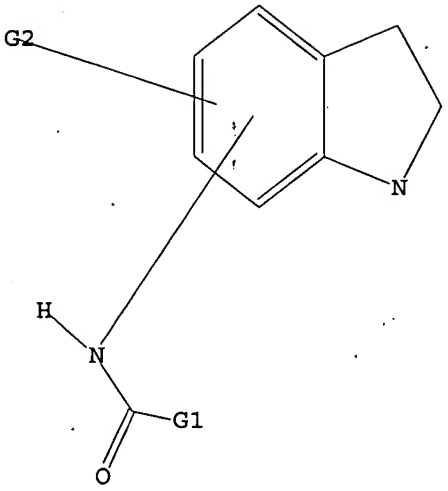
L4 HAS NO ANSWERS
L4 STR



G1 Cb,Cy,Ak,Ph

G2 MeO,EtO,n-PrO,n-BuO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 14:56:59 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    40078 TO ITERATE

  5.0% PROCESSED     2000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       789602 TO   813518
PROJECTED ANSWERS:             132 TO      668

L5             1 SEA SSS SAM L4

=> s l4 sss full
FULL SEARCH INITIATED 14:57:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   798624 TO ITERATE

 99.2% PROCESSED   791950 ITERATIONS                              273 ANSWERS

100.0% PROCESSED   798624 ITERATIONS                              273 ANSWERS
SEARCH TIME: 00.00.18

L6           273 SEA SSS FUL L4

=> FIL HCAPLUS
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                 ENTRY    SESSION
FULL ESTIMATED COST                             347.35     347.56

FILE 'HCAPLUS' ENTERED AT 14:57:32 ON 19 APR 2007
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FILE COVERS 1907 - 19 Apr 2007 VOL 146 ISS 17
FILE LAST UPDATED: 18 Apr 2007 (20070418/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

```
=> d his

     (FILE 'HOME' ENTERED AT 14:52:11 ON 19 APR 2007)

     FILE 'REGISTRY' ENTERED AT 14:52:24 ON 19 APR 2007
L1             STRUCTURE UPLOADED
L2               9 S L1
L3            2694 S L1 SSS FULL
L4             STRUCTURE UPLOADED
L5               1 S L4
L6             273 S L4 SSS FULL

     FILE 'HCAPLUS' ENTERED AT 14:57:32 ON 19 APR 2007

=> s l6
L7              39 L6

=> s l7 and py<=2002
      22870540 PY<=2002
L8              30 L7 AND PY<=2002

=> s l8 and p/dt
       5674643 P/DT
L9              20 L8 AND P/DT

=> s l9 and us/pc
       1655264 US/PC
L10             15 L9 AND US/PC

=> s l10 and thu
          163 THU
       2399543 THUS
       2399687 THU
                 (THU OR THUS)
L11              7 L10 AND THU

=> d l10 ibib abs hitstr tot
```

L10 ANSWER 1 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2002:465767 HCAPLUS
DOCUMENT NUMBER: 137:51985
TITLE: Oxidative hair dyes containing oxidative enzymes
INVENTOR(S): Rozzell, David; Sauter, Guido; Braun, Hans-Juergen
PATENT ASSIGNEE(S): Wella Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002047633	A2	20020620	WO 2001-EP11493	20011005 <--
WO 2002047633	A3	20030313		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
DE 10062086	A1	20020704	DE 2000-10062086	20001213 <--
AU 2002023590	A5	20020624	AU 2002-23590	20011005 <--
BR 2001008212	A	20030305	BR 2001-8212	20011005
EP 1341503	A2	20030910	EP 2001-270308	20011005
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2004515518	T	20040527	JP 2002-549209	20011005
US 2003041391	A1	20030306	US 2002-181572	20020718 <--
US 6835212	B2	20041228		

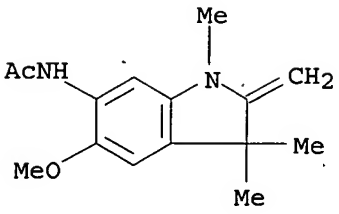
PRIORITY APPLN. INFO.: DE 2000-10062086 A 20001213
WO 2001-EP11493 W 20011005

OTHER SOURCE(S): MARPAT 137:51985

AB The invention relates to an agent for dyeing keratin fibers. Said agent contains at least one compound having a nucleophilic reaction center, at least one alc. from the group consisting of aryl alc. derivs. and benzyl alc. derivs., and at least one appropriate oxidation enzyme. The invention also relates to a method for dyeing keratin fibers using the inventive agent. Thus the following ingredients were mixed to receive a hair dye: vanillyl alc. 1.2 mL (final concentrate 10 mmol/L); galactose oxidase 30 mg (200 Units); 1,2,3,3-tetramethyl-3-H-indolium hydrogen sulfate 80 mg (final concentrate 100 mmol/L); potassium hydrogen phosphate buffer 6 mL (final concentrate 100 mmol/L); water 22.8 mL.

IT 357397-41-2
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)
(oxidative hair dyes containing oxidative enzymes)

RN 357397-41-2 HCAPLUS
CN Acetamide, N-(2,3-dihydro-5-methoxy-1,3,3-trimethyl-2-methylene-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



L10 ANSWER 2 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:833598 HCAPLUS
DOCUMENT NUMBER: 135:362346
TITLE: Agent for coloring hair fibers and method for temporarily coloring hair fibers
INVENTOR(S): Sauter, Guido; Braun, Hans-Juergen; Reichlin, Nadia
PATENT ASSIGNEE(S): Wella Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 60 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001086057	A1	20011115	WO 2001-EP2685	20010309 <--
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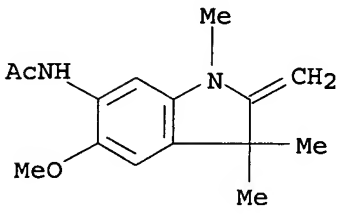
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10022744	A1	20011122	DE 2000-10022744	20000510 <--
DE 10022744	B4	20040708		
AU 200146500	A	20011120	AU 2001-46500	20010309 <--
BR 2001006333	A	20020326	BR 2001-6333	20010309 <--
EP 1194633	A1	20020410	EP 2001-919377	20010309 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2003532743	T	20031105	JP 2001-582636	20010309
US 2002172651	A1	20021121	US 2001-19421	20011221 <--
US 6669739	B2	20031230		

PRIORITY APPLN. INFO.: DE 2000-10022744 A 20000510
WO 2001-EP2685 W 20010309
OTHER SOURCE(S): MARPAT 135:362346

AB The invention relates to an agent with improved storage stability for coloring hair fibers yellow, brown, green, and violet shades, which is prepared before use by mixing an acidic component (A1), which contains ≥1 R1R2NCHR3:CHR4 or R1R2N+:CR3CH2R4 A- (R1-3 = organic group, R1 may for ring with R3 and N, R4 = H or C1-4 alkyl, A = anion) with a component (A2), which contains RHC:NR1 (R = aromatic or heteroarom group, R1 = organic group). The invention also relates to a method for temporarily coloring hair fibers according to which the coloring obtained by using said coloring agent is removed at any time by means of a decolorizing agent that contains sulfite.

IT 357397-41-2, 6-N-Acetylamino-5-methoxy-1,3,3-trimethyl-2-methyleneindoline
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(combinations of enamines and Schiff bases for temporarily coloring of hair fibers)
RN 357397-41-2 HCAPLUS
CN Acetamide, N-(2,3-dihydro-5-methoxy-1,3,3-trimethyl-2-methylene-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2001:635862 HCAPLUS
DOCUMENT NUMBER: 135:215740
TITLE: Hair dye kits comprising indoline/indolium derivatives, carbonyl compounds and a decolorizing agent
INVENTOR(S): Sauter, Guido; Braun, Hans-Juergen; Reichlin, Nadia
PATENT ASSIGNEE(S): Wella Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001062219	A1	20010830	WO 2001-EP821	20010125 <--
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IN, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ZA				
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AU 2001028495	A5	20010903	AU 2001-28495	20010125 <--
BR 2001004590	A	20020108	BR 2001-4590	20010125 <--
EP 1227786	A1	20020807	EP 2001-949088	20010125 <--
EP 1227786	B1	20050824		
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AT 302586	T	20050915	AT 2001-949088	20010125
ES 2245369	T3	20060101	ES 2001-1949088	20010125
US 2003079301	A1	20030501	US 2001-959112	20011017 <--
US 6652601	B2	20031125		

PRIORITY APPLN. INFO.: DE 2000-10007948 A 20000222
WO 2001-EP821 W 20010125

OTHER SOURCE(S): MARPAT 135:215740
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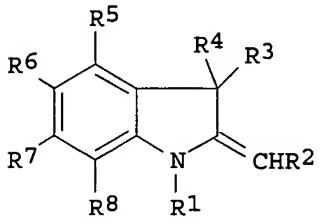

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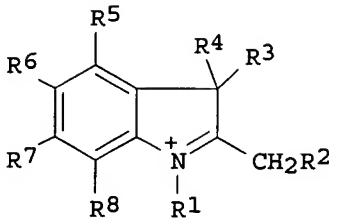


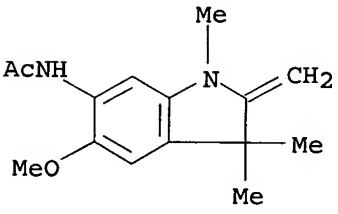
II

AB The invention relates to hair dye kits containing 2-component hair-dye compns. (A1 and A2) and a reductive decolorizing agent; upon usage A1 and A2 are mixed. The component A2 comprises at least 1 carbonyl compound, and component A1 comprises at least 1 indoline derivative (I), or 1 3H-indolium derivative (II), R groups and A- are defined. Thus, the component A1 contained (g): 1,2,3,3,5-pentamethyl-3H-indolium iodide 0.30; lauryl ether sulfate (28% aqueous solution) 1, ethanol 2, water to 10%. The component A2 included (g): 3,5-dimethoxy-4-hydroxybenzaldehyde 0.17, lauryl ether sulfate (28% aqueous solution) 1, ethanol 2, water to 10%. By mixing 1 g of each component a pH of 8.1 was obtained. The dye was applied to bleached hair.

IT 357397-41-2
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(hair dye kits comprising indoline/indolium derivs. and carbonyl compds. and decolorizing agent)

RN 357397-41-2 HCAPLUS

CN Acetamide, N-(2,3-dihydro-5-methoxy-1,3,3-trimethyl-2-methylene-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1997:326877 HCAPLUS
DOCUMENT NUMBER: 126:305540
TITLE: Preparation of benzene-fused heterocyclic derivatives as inhibitors of acyl-coenzyme A:cholesterol acyltransferase (ACAT) and medicinal use thereof
INVENTOR(S): Kamiya, Shoji; Shirahase, Hiroaki; Matsui, Hiroshi; Nakamura, Shohei; Wada, Katsuo

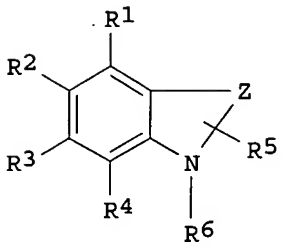
PATENT ASSIGNEE(S): Kyoto Pharmaceutical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 121 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9712860	A1	19970410	WO 1996-JP2852	19960930 <--
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI				
CA 2233842	A1	19970410	CA 1996-2233842	19960930 <--
CA 2233842	C	20060411		
AU 9670977	A	19970428	AU 1996-70977	19960930 <--
AU 708571	B2	19990805		
EP 866059	A1	19980923	EP 1996-932060	19960930 <--
EP 866059	B1	20011205		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
CN 1203587	A	19981230	CN 1996-198670	19960930 <--
CN 1097043	B	20021225		
HU 9900617	A2	19990628	HU 1999-617	19960930 <--
HU 9900617	A3	20011228		
BR 9610846	A	19990713	BR 1996-10846	19960930 <--
JP 2968050	B2	19991025	JP 1996-514152	19960930 <--
RU 2173316	C2	20010910	RU 1998-108605	19960930 <--
IL 123939	A	20011125	IL 1996-123939	19960930 <--
AT 210116	T	20011215	AT 1996-932060	19960930 <--
ES 2164920	T3	20020301	ES 1996-932060	19960930 <--
PT 866059	T	20020328	PT 1996-932060	19960930 <--
CZ 292632	B6	20031112	CZ 1998-996	19960930
PL 190034	B1	20051031	PL 1996-326000	19960930
TW 429250	B	20010411	TW 1996-85112125	19961004 <--
NO 9801485	A	19980602	NO 1998-1485	19980401 <--
NO 310818	B1	20010903		
US 6063806	A	20000516	US 1998-51202	19980403 <--
US 38970	E1	20060207	US 1998-609224	19980403 <--
HK 1015781	A1	20030822	HK 1999-100913	19990305
HK 1048989	A1	20051028	HK 2003-100740	19990305
US 6200988	B1	20010313	US 2000-506839	20000218 <--
CN 1361100	A	20020731	CN 2001-142957	20011130 <--

PRIORITY APPLN. INFO.:

JP 1995-259082	A	19951005
JP 1996-58018	A	19960314
JP 1996-194331	A	19960724
WO 1996-JP2852	W	19960930
HK 1999-100913	A	19990305

OTHER SOURCE(S): MARPAT 126:305540
GI



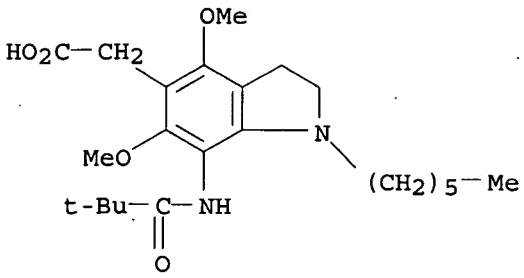
I

AB Heterocyclic derivs. represented by general formula (I; one of R1, R2, and R5 = OH, CO2H, alkoxycarbonyl, NR9R10, or alkyl or alkenyl substituted by OH, acidic group, or NR9R10 and the others = H, lower alkyl or alkoxy; wherein R9, R10 = H, lower alkyl; one of R3 and R4 = NHCOR7 and the other = H, lower alkyl or alkoxy; wherein R7 = alkyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl, NHR8; wherein R8 = alkyl, cycloalkyl, cycloalkylalkyl, aryl, arylalkyl; R6 = alkyl, alkenyl, alkoxyalkyl, alkylthioalkyl, cycloalkyl, cycloalkylalkyl, arylalkyl; Z = a linkage group required to form a 5- to 6-membered ring together with NR6 and C atoms of the benzene ring) or pharmaceutically acceptable salts thereof are prepared The compds. or pharmaceutically acceptable salts thereof show excellent effects of inhibiting ACAT and inhibiting the peroxidn. of lipids on mammals and thus are useful as ACAT inhibitors and lipid peroxidn. inhibitors. Namely, they are useful in the prevention and treatment of, for example, arteriosclerosis, hyperlipemia, arteriosclerotic lesions in association with diabetes, and ischemic diseases in brain and heart. Thus, N-(1-acetyl-5-chloromethyl-4,6-dimethylindolin-7-yl)-2,2-dimethylpropanamide was heated with AcOK in MeCN/DMF at 60° under stirring for 1 h, followed by saponification with NaOH in aqueous EtOH under reflux, to give N-(5-hydroxymethyl-4,6-dimethylindolyl-7-yl)-2,2-dimethylpropanamide, which was alkylated by 1-iodooctane in the presence of K2CO3 in DMF to give at 50° for 2 h N-(1-octyl-5-hydroxymethyl-4,6-dimethylindolyl-7-yl)-2,2-dimethylpropanamide (II). II in vitro inhibited by 99.2% the production of cholesteryl oleate from [1-14C]oleoyl CoA in microsome fraction of rabbit small intestinal membrane and at 10 mg/kg per day for 3 days in vivo lowered by 57.1% a total serum cholesterol in rats fed with a high cholesterol diet.

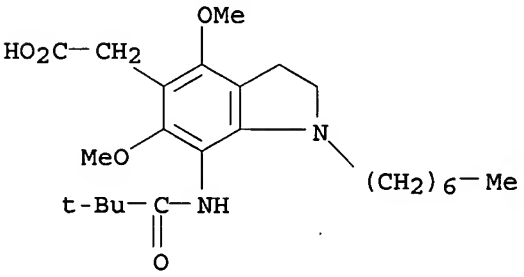
IT 189198-81-0P 189198-82-1P 189198-83-2P
189198-84-3P 189198-85-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzene-fused heterocyclic derivs. as inhibitor of acyl-CoA:cholesterol acyltransferase and lipid peroxidn. for disease therapy)

RN 189198-81-0 HCAPLUS

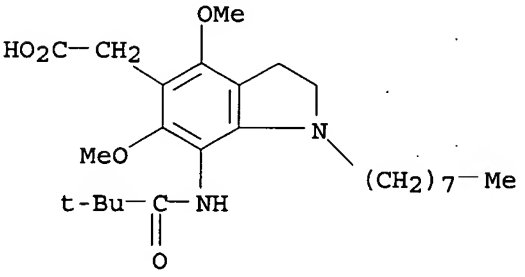
CN 1H-Indole-5-acetic acid, 7-[(2,2-dimethyl-1-oxopropyl)amino]-1-hexyl-2,3-dihydro-4,6-dimethoxy- (9CI) (CA INDEX NAME)



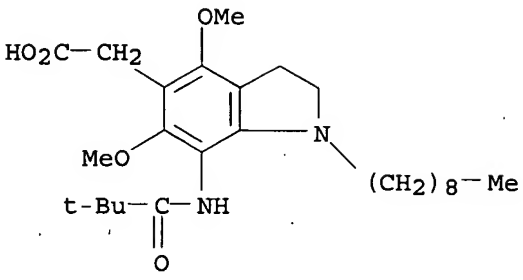
RN 189198-82-1 HCAPLUS
CN 1H-Indole-5-acetic acid, 7-[(2,2-dimethyl-1-oxopropyl)amino]-1-heptyl-2,3-dihydro-4,6-dimethoxy- (9CI) (CA INDEX NAME)



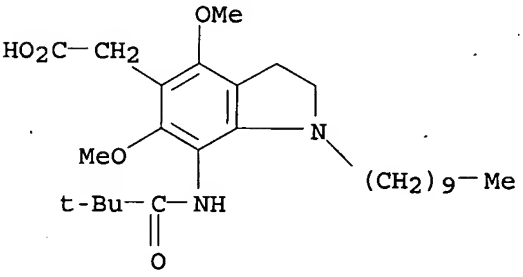
RN 189198-83-2 HCAPLUS
CN 1H-Indole-5-acetic acid, 7-[(2,2-dimethyl-1-oxopropyl)amino]-2,3-dihydro-4,6-dimethoxy-1-octyl- (9CI) (CA INDEX NAME)



RN 189198-84-3 HCAPLUS
CN 1H-Indole-5-acetic acid, 7-[(2,2-dimethyl-1-oxopropyl)amino]-2,3-dihydro-4,6-dimethoxy-1-nonyl- (9CI) (CA INDEX NAME)



RN 189198-85-4 HCAPLUS
CN 1H-Indole-5-acetic acid, 1-decyl-7-[(2,2-dimethyl-1-oxopropyl)amino]-2,3-dihydro-4,6-dimethoxy- (9CI) (CA INDEX NAME)



L10 ANSWER 5 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1996:431421 HCAPLUS
DOCUMENT NUMBER: 125:86497
TITLE: Preparation and formulation of indoline derivatives as ACAT inhibitors and lipid peroxidation inhibitors
INVENTOR(S): Matsui, Hiroshi; Kamiya, Shoji; Shirahase, Hiroaki; Nakamura, Shohei; Wada, Katsuo
PATENT ASSIGNEE(S): Kyoto Pharmaceutical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9609287	A1	19960328	WO 1995-JP1873	19950920 <--
W: AU, CA, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 08092210	A	19960409	JP 1994-225166	19940920 <--
JP 3720395	B2	20051124		
CA 2200472	A1	19960328	CA 1995-2200472	19950920 <--
AU 9535324	A	19960409	AU 1995-35324	19950920 <--
AU 693261	B2	19980625		
EP 782986	A1	19970709	EP 1995-932172	19950920 <--
EP 782986	B1	20030702		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
EP 1136474	A1	20010926	EP 2001-114083	19950920 <--

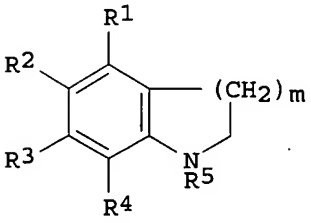
EP 1136474	B1	20031126			
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE					
AT 244220	T	20030715	AT 1995-932172	19950920	
PT 782986	T	20031128	PT 1995-932172	19950920	
AT 255091	T	20031215	AT 2001-114083	19950920	
ES 2200003	T3	20040301	ES 1995-932172	19950920	
PT 1136474	T	20040430	PT 2001-114083	19950920	
ES 2206367	T3	20040516	ES 2001-114083	19950920	
US 5990150	A	19991123	US 1997-809242	19970319	<--
AU 9879958	A	19981001	AU 1998-79958	19980812	<--
AU 705798	B2	19990603			
US 6204392	B1	20010320	US 1999-283525	19990401	<--
US 6127403	A	20001003	US 1999-373509	19990812	<--
US 6414012	B1	20020702	US 1999-373163	19990812	<--
US 2001014740	A1	20010816	US 2001-784434	20010215	<--
US 6489475	B2	20021203			
HK 1040513	A1	20040618	HK 2002-101935	20020313	

PRIORITY APPLN. INFO.:

JP 1994-225166	A	19940920
EP 1995-932172	A3	19950920
WO 1995-JP1873	W	19950920
US 1997-809242	A3	19970319
US 1999-283525	B1	19990401

OTHER SOURCE(S): MARPAT 125:86497

GI



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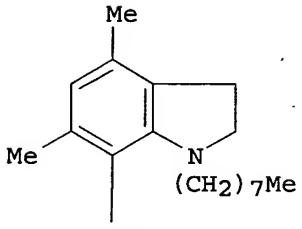


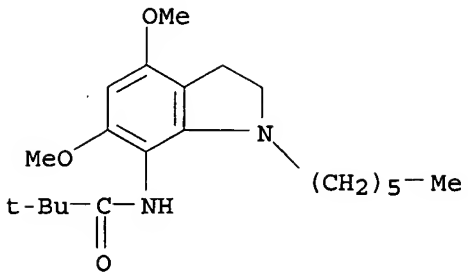
II

AB The title compds. I [one of R1 to R4 is NHCOR6 (R6 = (un)substituted alkyl, etc.), the others are H, alkyl, etc.; R5 = (un)substituted alkyl, etc.; m = 1 or 2] are prepared The title compound II (NMR data given) in vitro at 10-5 M gave 99.2% inhibition of ACAT. II at 10-5 M gave 78.8% inhibition of lipid peroxidn., vs. 87.5% inhibition by probucol.

IT 178469-54-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of indoline derivs. as ACAT inhibitors and lipid peroxidn. inhibitors)

RN 178469-54-0 HCAPLUS

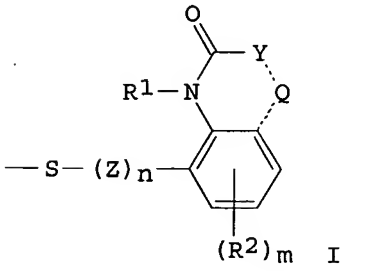
CN Propanamide, N-(1-hexyl-2,3-dihydro-4,6-dimethoxy-1H-indol-7-yl)-2,2-dimethyl- (9CI) (CA INDEX NAME)



L10 ANSWER 6 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1991:14815 HCAPLUS
DOCUMENT NUMBER: 114:14815
TITLE: Silver halide color photographic light-sensitive material containing 5-pyrazolone coupler
INVENTOR(S): Furutachi, Nobuo; Hirose, Takeshi
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: U.S., 42 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4929540	A	19900529	US 1989-380489	19890717 <--
JP 07066170	B	19950719	JP 1988-178486	19880718 <--

PRIORITY APPLN. INFO.: JP 1988-178486 A 19880718
OTHER SOURCE(S): MARPAT 114:14815
GI



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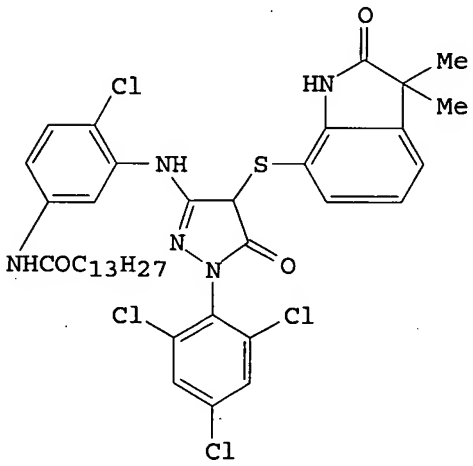


II

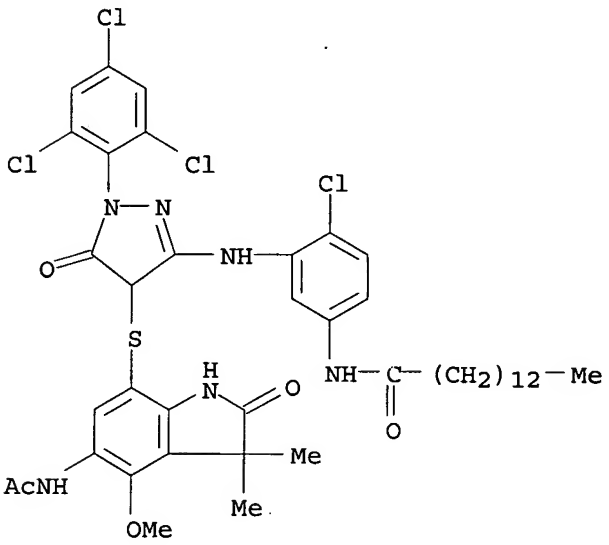
AB Described is a photog. material which comprises ≥1 Ag halide emulsion layer containing a 5-pyrazolene coupler having a coupling eliminable group I at the coupling site [z = ethylene, methylene; n = 0, 1; m = 0-3; R1 = 4, alkyl, aryl, heterocyclyl; Y = O, S, NR, CO, CH2, CR3R4; O =

single bond or nonmetal atom necessary to complete a ring; R2 = halogen, alkyl, aryl, etc.; R3,R4 = H, R2; R3 and R4 may be linked to form ring]. The above couplers can produce high d. magenta color even in rapid processing. Thus II was prepared and used.

IT 131034-16-7
RL: USES (Uses)
(as photog. magenta coupler)

RN 131034-16-7 HCAPLUS

CN Tetradecanamide, N-[3-[[4-[[5-(acetylamino)-2,3-dihydro-4-methoxy-3,3-dimethyl-2-oxo-1H-indol-7-yl]thio]-4,5-dihydro-5-oxo-1-(2,4,6-trichlorophenyl)-1H-pyrazol-3-yl]amino]-4-chlorophenyl]- (9CI) (CA INDEX NAME)



L10 ANSWER 7 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN

ACCESSION NUMBER: 1990:20899 HCAPLUS

DOCUMENT NUMBER: 112:20899

TITLE: Indolines as intermediates for pyrrolobenzimidazole cardiovascular agents

INVENTOR(S): Martens, Alfred; Hoelck, Jens Peter; Berger, Herbert; Mueller-Beckman, Bernd; Strein, Klaus; Roesch, Egon

PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.

SOURCE: U.S., 13 pp., Cont.-in-part of U.S. 4,695,567.
CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4835280	A	19890530	US 1987-72917	19870714 <--
DE 3501497	A1	19860724	DE 1985-3501497	19850118 <--
US 4695567	A	19870922	US 1986-820259	19860117 <--

PRIORITY APPLN. INFO.: DE 1985-3501497 A 19850118
US 1986-820259 A2 19860117

OTHER SOURCE(S): CASREACT 112:20899

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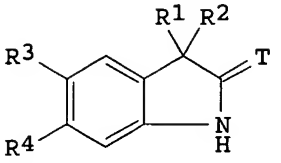

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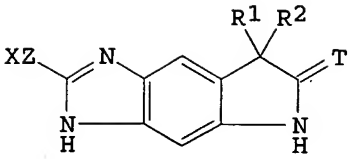


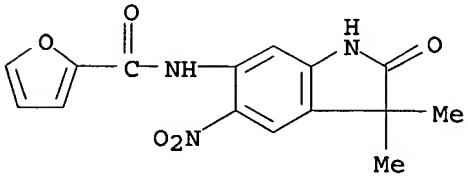
II

AB Indolines I [R1 = H, alkyl, alkenyl, cycloalkyl; R2 = H, cyano, alkyl, alkenyl, COR5; R5 = OH, alkyl, alkoxy, (mono- or dialkyl-substituted) NH2, HNNH2; one of R3 and R4 = H and the other = NHCOZX; Z = bond, alkylene, CH:CH; X = furanyl, thiophenyl, oxazolyl, imidazolyl, etc.); T = O, S] are prepared as intermediates for pyrrolobenzimidazoles II. II are useful for increasing the strength of heart and/or influencing thrombocyte function and improving the microcirculation and/or lowering blood pressure. Treatment of I.HCl (R1 = Me, R2 = EtO2C, R3 = H, R4 = NH2, T = O) with pyrazine-2-carboxylic acid chloride in CH2Cl2 in the presence of Et3N gave I (R4 = 2-pyrazinylcarbonylamino), followed by nitration with NaNO2 in H2SO4 to afford I (R3 = NO2), which in EtOH was hydrogenated in the presence of Pd/C and the product was treated in AcOH to afford II (R1 = Me, R2 = EtO2C, XZ = 2-pyrazinyl, T = O). The latter showed 0.04 mg/kg i.v. DE1.5 mHg/s [the equipotent doses DE1.5 = the dose that lead to an increase of (dp/dt)60 of 1.5 mHg/s].

IT 104896-33-5P 104896-34-6P 104896-38-0P
124278-76-8P 124278-77-9P 124278-78-0P
124278-79-1P 124278-81-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of pyrrolobenzimidazole cardiovascular agents)

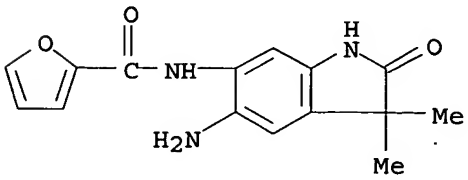
RN 104896-33-5 HCAPLUS

CN 2-Furancarboxamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)

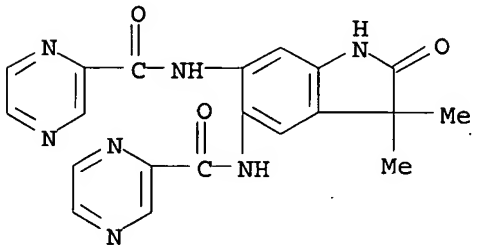


RN 104896-34-6 HCAPLUS

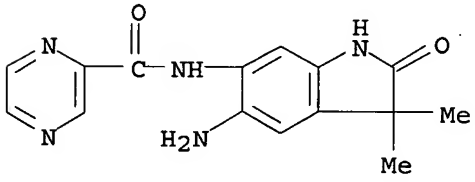
CN 2-Furancarboxamide, N-(5-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



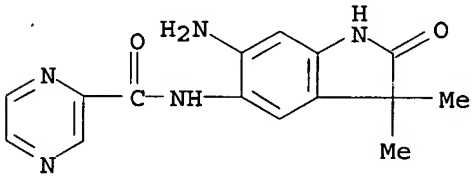
RN 104896-38-0 HCAPLUS
CN Pyrazinecarboxamide, N,N'-(2,3-dihydro-3,3-dimethyl-2-oxo-1H-indole-5,6-diyl)bis- (9CI) (CA INDEX NAME)



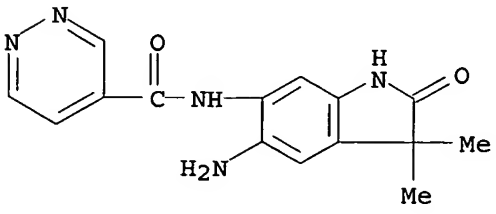
RN 124278-76-8 HCAPLUS
CN Pyrazinecarboxamide, N-(5-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



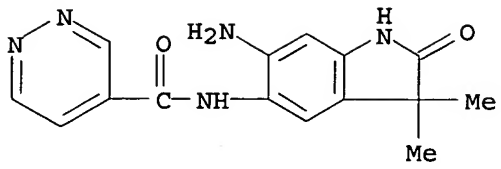
RN 124278-77-9 HCAPLUS
CN Pyrazinecarboxamide, N-(6-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



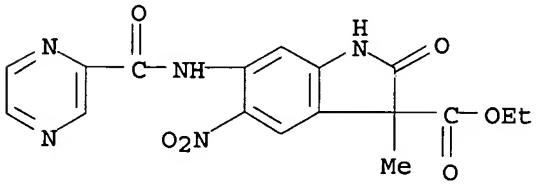
RN 124278-78-0 HCAPLUS
CN 4-Pyridazinecarboxamide, N-(5-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



RN 124278-79-1 HCAPLUS
CN 4-Pyridazinecarboxamide, N-(6-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



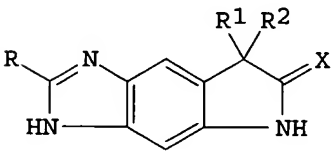
RN 124278-81-5 HCAPLUS
CN 1H-Indole-3-carboxylic acid, 2,3-dihydro-3-methyl-5-nitro-2-oxo-6-[(pyrazinylcarbonyl)amino]-, ethyl ester (9CI) (CA INDEX NAME)



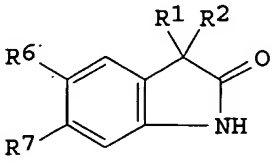
L10 ANSWER 8 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1989:515180 HCAPLUS
DOCUMENT NUMBER: 111:115180
TITLE: Preparation of 6,7-dihydro-3H,5H-pyrrolo[2,3-f]benzimidazol-6-ones as cardiovascular agents
INVENTOR(S): Mertens, Alfred; Hoelck, Jens Peter; Kampe, Wolfgang; Mueller-Beckmann, Bernd; Strein, Klaus; Schaumann, Wolfgang
PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SOURCE: U.S., 14 pp. Cont.-in-part of U.S. Ser. No. 807,260.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE	
US 4810801	A	19890307	US 1987-103895		19871001	<--
DE 3445669	A1	19860619	DE 1984-3445669		19841214	<--
US 4710510	A	19871201	US 1985-807260		19851210	<--
PRIORITY APPLN. INFO.:			DE 1984-3445669	A	19841214	
			US 1985-807260	A2	19851210	

OTHER SOURCE(S): CASREACT 111:115180; MARPAT 111:115180
GI



I



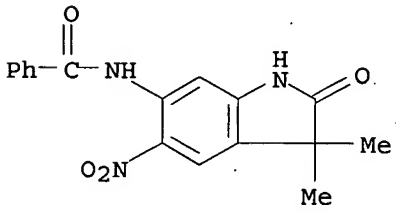
II

AB The title compds. [I; R = QZ; Q = R3-R5-substituted phenyl; R1 = H, alkyl, alkenyl, cycloalkyl; R2 = H, cyano, alkyl, alkenyl, (un)substituted CO2H; R1R2 = alkylidene, cycloalkylidene; R3-R5 = H, OH, alkoxy, alkylthio, halo, NO2, cyano, etc.; X = O, S; Z = bond, alkylene, vinylene] were prepared, e.g., by condensation of indolinone II (R6 = R7 = NH2) with QZCOCl. II (R1 = R2 = Me, R6 = NO2, R7 = NH2) was stirred with BzCl and the product hydrogenated over Pd/C to give 81% I (R = Ph, R1 = R2 = Me, X = O). Similarly prepared I [R = 2,4-(MeO)2C6H3, R1 = R2 = Me, X = O] gave an increase of rat heart contractility of 4.2 mmHg/s at 10 mg/kg i.v.

IT 104563-92-0P 122454-99-3P 122455-00-9P
122455-01-0P 122455-13-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of cardiovascular agents)

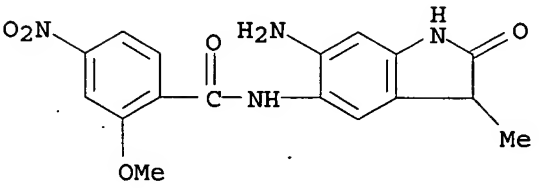
RN 104563-92-0 HCAPLUS

CN Benzamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



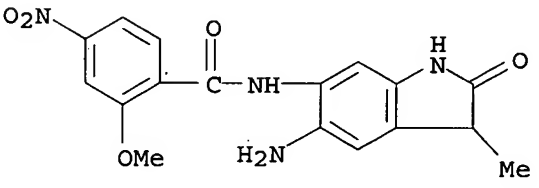
RN 122454-99-3 HCAPLUS

CN Benzamide, N-(6-amino-2,3-dihydro-3-methyl-2-oxo-1H-indol-5-yl)-2-methoxy-4-nitro- (9CI) (CA INDEX NAME)



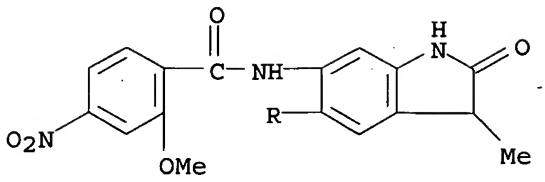
RN 122455-00-9 HCAPLUS

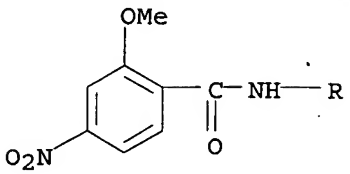
CN Benzamide, N-(5-amino-2,3-dihydro-3-methyl-2-oxo-1H-indol-6-yl)-2-methoxy-4-nitro- (9CI) (CA INDEX NAME)



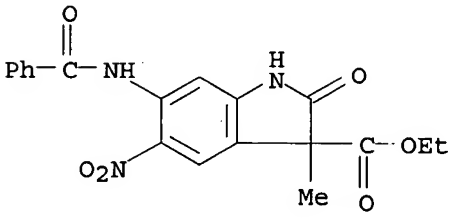
RN 122455-01-0 HCAPLUS

CN Benzamide, N,N'-(2,3-dihydro-3-methyl-2-oxo-1H-indole-5,6-diyl)bis[2-methoxy-4-nitro- (9CI) (CA INDEX NAME)

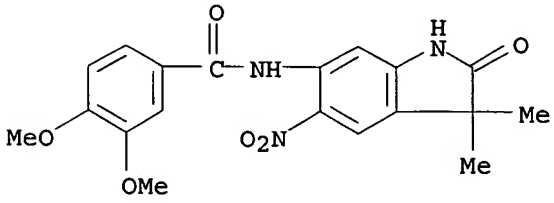




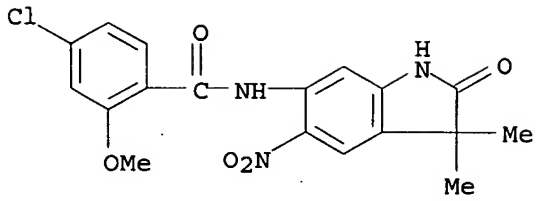
RN 122455-13-4 HCAPLUS
CN 1H-Indole-3-carboxylic acid, 6-(benzoylamino)-2,3-dihydro-3-methyl-5-nitro-2-oxo-, ethyl ester (9CI) (CA INDEX NAME)



IT 122454-96-0 122454-97-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in preparation of cardiovascular agents)
RN 122454-96-0 HCAPLUS
CN Benzamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)-3,4-dimethoxy- (9CI) (CA INDEX NAME)



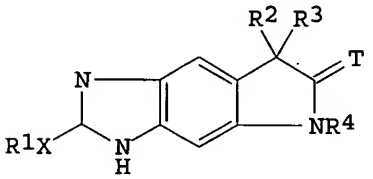
RN 122454-97-1 HCAPLUS
CN Benzamide, 4-chloro-N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)-2-methoxy- (9CI) (CA INDEX NAME)



L10 ANSWER 9 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1988:549537 HCAPLUS
DOCUMENT NUMBER: 109:149537
TITLE: Preparation of pyrrolobenzimidazoles as cardiovascular agents
INVENTOR(S): Friebe, Walter Gunnar; Mertens, Alfred; Strein, Klaus; Boehm, Erwin
PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 14 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3642315	A1	19880623	DE 1986-3642315	19861211 <--
EP 271040	A2	19880615	EP 1987-118046	19871207 <--
EP 271040	A3	19891102		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
ZA 8709166	A	19880831	ZA 1987-9166	19871207 <--
DD 267047	A5	19890419	DD 1987-310045	19871207 <--
JP 63162692	A	19880706	JP 1987-309792	19871209 <--
DK 8706501	A	19880612	DK 1987-6501	19871210 <--
FI 8705438	A	19880612	FI 1987-5438	19871210 <--
HU 47278	A2	19890228	HU 1987-5579	19871210 <--
HU 200339	B	19900528		
US 4863945	A	19890905	US 1987-131367	19871210 <--
AU 8782450	A	19880616	AU 1987-82450	19871211 <--

PRIORITY APPLN. INFO.: DE 1986-3642315 A 19861211
OTHER SOURCE(S): CASREACT 109:149537; MARPAT 109:149537
GI



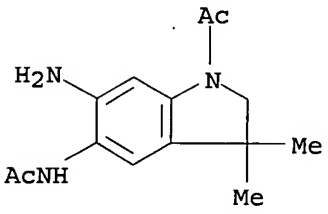
I

AB The title compds. [I; R1 = H, (substituted) Ph, naphthyl, heterocyclyl, alkyl, cycloalkyl, alkenyl, cycloalkenyl, alkynyl, OH, SH, amino, etc.; R2 = H, alkyl, alkenyl, cycloalkyl; R3 = alkyl, alkenyl, hydroxyalkyl; R2R3 = alkylene, alkylidine, cycloalkylidine; R4 = H, alkanoyl; X = bond, alkylene, vinylene, NH, CONH; T = H2, O] and their tautomers and physiol.

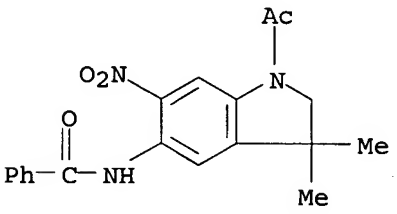
acceptable salts were prepared as cardiovascular agents (no data). 3,3-Dimethylindoline was converted in several steps to 5-acetamido-1-acetyl-3,3-dimethyl-6-nitroindoline and the latter was hydrogenated over Raney Ni in THF at 40° and 1 bar; the product amine was refluxed in EtOH saturated with HCl to give 2,7,7-trimethyl-3,5,6,7-tetrahydropyrrolo[2,3-f]benzimidazole-2HCl.

IT 116584-64-6P 116584-68-0P 116584-69-1P
116584-70-4P 116584-71-5P 116584-72-6P
116611-77-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in synthesis of cardiovascular agents)

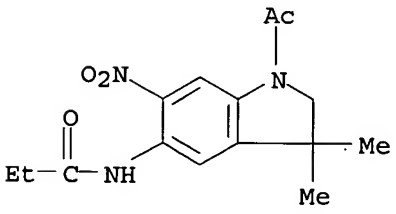
RN 116584-64-6 HCAPLUS
CN Acetamide, N-(1-acetyl-6-amino-2,3-dihydro-3,3-dimethyl-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



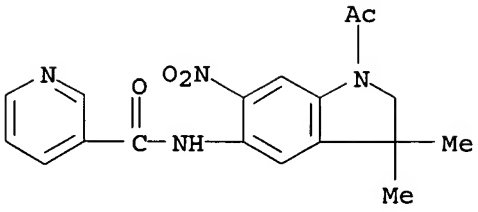
RN 116584-68-0 HCAPLUS
CN Benzamide, N-(1-acetyl-2,3-dihydro-3,3-dimethyl-6-nitro-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



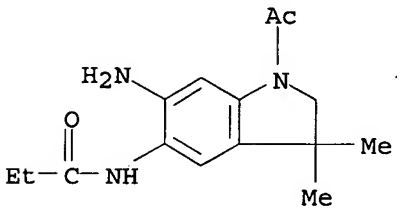
RN 116584-69-1 HCAPLUS
CN Propanamide, N-(1-acetyl-2,3-dihydro-3,3-dimethyl-6-nitro-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



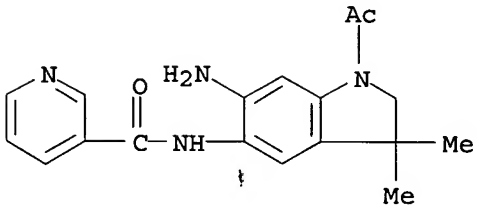
RN 116584-70-4 HCAPLUS
CN 3-Pyridinecarboxamide, N-(1-acetyl-2,3-dihydro-3,3-dimethyl-6-nitro-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



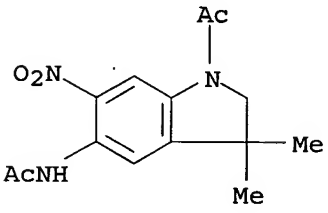
RN 116584-71-5 HCAPLUS
CN Propanamide, N-(1-acetyl-6-amino-2,3-dihydro-3,3-dimethyl-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



RN 116584-72-6 HCAPLUS
CN 3-Pyridinecarboxamide, N-(1-acetyl-6-amino-2,3-dihydro-3,3-dimethyl-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



RN 116611-77-9 HCAPLUS
CN Acetamide, N-(1-acetyl-2,3-dihydro-3,3-dimethyl-6-nitro-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



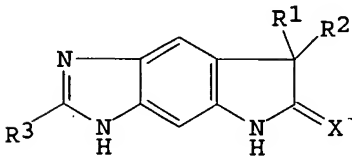
L10 ANSWER 10 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1987:439825 HCAPLUS
DOCUMENT NUMBER: 107:39825
TITLE: Preparation of pyrrolobenzimidazolones for treatment of cardiovascular disease
INVENTOR(S): Saal, Wolfgang; Mertens, Alfred; Berger, Herbert; Mueller-Beckmann, Bernd

PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 12 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3531678	A1	19870312	DE 1985-3531678	19850905 <--
IL 79910	A	19900209	IL 1986-79910	19860901 <--
DK 8604189	A	19870306	DK 1986-4189	19860902 <--
AU 8662165	A	19870312	AU 1986-62165	19860902 <--
AU 584235	B2	19890518		
EP 214592	A2	19870318	EP 1986-112093	19860902 <--
EP 214592	A3	19880706		
EP 214592	B1	19910814		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
DD 253821	A5	19880203	DD 1986-294089	19860902 <--
AT 66230	T	19910815	AT 1986-112093	19860902 <--
FI 8603565	A	19870306	FI 1986-3565	19860904 <--
ZA 8606704	A	19870527	ZA 1986-6704	19860904 <--
HU 42770	A2	19870828	HU 1986-3827	19860904 <--
HU 197010	B	19890228		
US 4730003	A	19880308	US 1986-904094	19860904 <--
JP 62059279	A	19870314	JP 1986-208117	19860905 <--
ES 2001774	A6	19880616	ES 1986-1647	19860905 <--

PRIORITY APPLN. INFO.: DE 1985-3531678 A 19850905
EP 1986-112093 A 19860902

OTHER SOURCE(S): CASREACT 107:39825; MARPAT 107:39825
GI



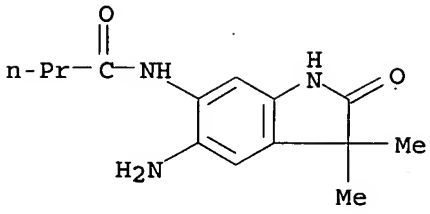
I

AB The title compds. [I; R1 = H, alkyl, alkenyl, cycloalkyl; R2 = H, alkyl, alkenyl, cyano, (modified) carboxylate; R1R2 = alkylidene, atoms to complete a ring; R3 = H, OH, SH, alkylthio, amino, amido, alkyl, cycloalkyl, etc; X = S, O] were prepared as cardiovascular agents (no data). 5,6-Diamino-3,3-dimethyl-2-indolinone was refluxed for 4.5 h in HCO2H to give 91% I (R1 = R2 = Me, R3 = H, X = O).

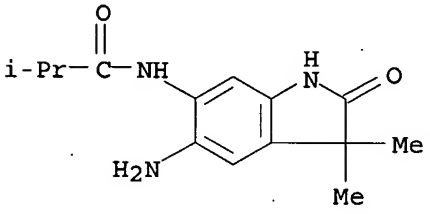
IT 109029-81-4
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclization of, pyrrolobenzimidazolone from)

RN 109029-81-4 HCAPLUS

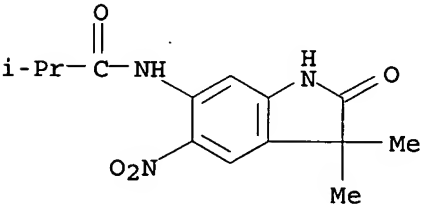
CN Butanamide, N-(5-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-6-yl)-(9CI) (CA INDEX NAME)



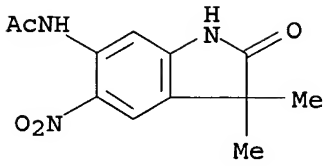
IT 109029-80-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of, pyrrolobenzimidazolone from)
RN 109029-80-3 HCAPLUS
CN Propanamide, N-(5-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-6-yl)-2-methyl- (9CI) (CA INDEX NAME)



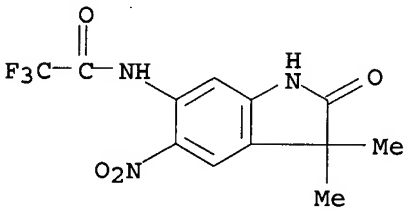
IT 109029-79-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 109029-79-0 HCAPLUS
CN Propanamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)-2-methyl- (9CI) (CA INDEX NAME)



IT 100510-69-8 109029-82-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction and cyclization of, pyrrolobenzimidazolone from)
RN 100510-69-8 HCAPLUS
CN Acetamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



RN 109029-82-5 HCAPLUS
CN Acetamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)-2,2,2-trifluoro- (9CI) (CA INDEX NAME)

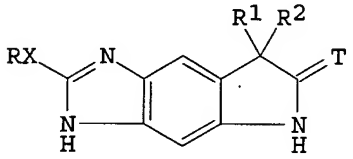


L10 ANSWER 11 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:591088 HCAPLUS
DOCUMENT NUMBER: 105:191088
TITLE: Pyrrolobenzimidazoles
INVENTOR(S): Mertens, Alfred; Hoelck, Jens Peter; Berger, Herbert; Mueller-Beckmann, Bernd; Strein, Klaus; Roesch, Egon
PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 37 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3501497	A1	19860724	DE 1985-3501497	19850118 <--
IL 77582	A	19900118	IL 1986-77582	19860113 <--
AU 8652245	A	19860724	AU 1986-52245	19860114 <--
AU 580832	B2	19890202		
EP 189103	A2	19860730	EP 1986-100451	19860115 <--
EP 189103	A3	19871223		
EP 189103	B1	19910102		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 59649	T	19910115	AT 1986-100451	19860115 <--
DK 8600207	A	19860719	DK 1986-207	19860116 <--
DD 253620	A5	19880127	DD 1986-286253	19860116 <--
FI 8600228	A	19860719	FI 1986-228	19860117 <--
FI 81579	B	19900731		
FI 81579	C	19901112		
JP 61167689	A	19860729	JP 1986-6617	19860117 <--
ZA 8600360	A	19860924	ZA 1986-360	19860117 <--
HU 41791	A2	19870528	HU 1986-241	19860117 <--
HU 194242	B	19880128		
US 4695567	A	19870922	US 1986-820259	19860117 <--
ES 551002	A1	19880301	ES 1986-551002	19860117 <--

SU 1470191	A3	19890330	SU 1986-4012604		19860117 <--
US 4835280	A	19890530	US 1987-72917		19870714 <--
ES 557777	A1	19890116	ES 1987-557777		19871209 <--
ES 557777	A5	19890127			
FI 8903090	A	19890622	FI 1989-3090		19890622 <--
PRIORITY APPLN. INFO.:			DE 1985-3501497	A	19850118
			EP 1986-100451	A	19860115
			FI 1986-228	A	19860117
			US 1986-820259	A2	19860117

OTHER SOURCE(S): MARPAT 105:191088
GI

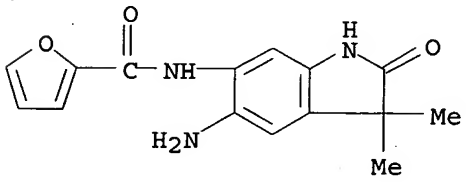


I

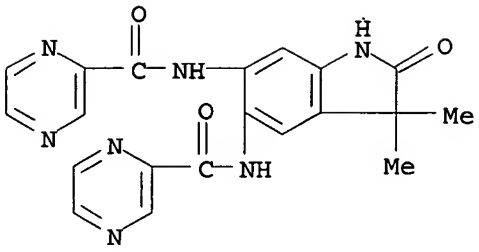
AB Pyrrolobenzimidazoles I [R = 6-membered heterocyclyl with O or S atom or 2-5 hetero atoms, 5-membered heterocyclyl with 1-4 hetero atoms, all (un)substituted; R1 = H, alkyl, alkenyl, cycloalkyl; R2 = H, alkyl, alkenyl, cyano, substituted carbonyl; R1R2 = cycloalkylene, alkylidene, cycloalkylidene; X = bond, C1-4 alkylene, vinyl; T = O, S], useful in strengthening the heart and(or) as antihypertensives and(or) influencing thrombocyte function and improving microcirculation (no data), were prepared by 3 methods. 6-Amino-5-nitro-3,3-dimethyl-2-indolinone in pyridine was acylated with 2-furancarbonyl chloride, the product 6-furanoylamino-5-nitro-3,3-dimethyl-2-indolinone hydrogenated over 10% Pd/C, and the resultant 5-amino analog cyclized with concentrated HCl in EtOH for 1 h at 80° to give 33.3% I (R = 2-furanyl, R1 = R2 = Me, X = bond, T = O).

IT 104896-34-6P 104896-38-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and cyclization of)

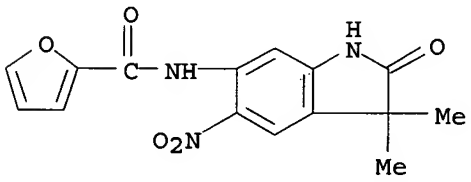
RN 104896-34-6 HCAPLUS
CN 2-Furancarboxamide, N-(5-amino-2,3-dihydro-3,3-dimethyl-2-oxo-1H-indol-6-yl)-.(9CI) (CA INDEX NAME)



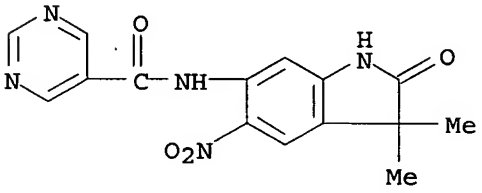
RN 104896-38-0 HCAPLUS
CN Pyrazinecarboxamide, N,N'-(2,3-dihydro-3,3-dimethyl-2-oxo-1H-indole-5,6-diyl)bis- (9CI) (CA INDEX NAME)



IT 104896-33-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrogenation of)
RN 104896-33-5 HCAPLUS
CN 2-Furancarboxamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



IT 104896-43-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as cardiovascular agent)
RN 104896-43-7 HCAPLUS
CN 5-Pyrimidinecarboxamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



L10 ANSWER 12 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:553063 HCAPLUS
DOCUMENT NUMBER: 105:153063
TITLE: Pyrrolobenzimidazoles
INVENTOR(S): Mertens, Alfred; Hoelck, Jens Peter; Kampe, Wolfgang; Mueller-Beckmann, Bern; Strein, Klaus; Schaumann, Wolfgang
PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 60 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent

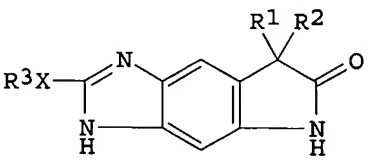
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3445669	A1	19860619	DE 1984-3445669	19841214 <--
EP 186010	A1	19860702	EP 1985-115547	19851206 <--
EP 186010	B1	19900131		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 49970	T	19900215	AT 1985-115547	19851206 <--
IL 77262	A	19890928	IL 1985-77262	19851208 <--
AU 8551006	A	19860619	AU 1985-51006	19851209 <--
AU 580822	B2	19890202		
ZA 8509382	A	19860827	ZA 1985-9382	19851209 <--
ES 549776	A1	19870116	ES 1985-549776	19851210 <--
US 4710510	A	19871201	US 1985-807260	19851210 <--
FI 8504926	A	19860615	FI 1985-4926	19851212 <--
FI 79318	B	19890831		
FI 79318	C	19891211		
DD 242045	A5	19870114	DD 1985-284206	19851212 <--
CS 276403	B6	19920513	CS 1985-9195	19851212 <--
DK 8505791	A	19860615	DK 1985-5791	19851213 <--
JP 61158984	A	19860718	JP 1985-279391	19851213 <--
JP 04071914	B	19921116		
HU 40436	A2	19861228	HU 1985-4775	19851213 <--
HU 194241	B	19880128		
SU 1440348	A3	19881123	SU 1985-3995762	19851213 <--
CA 1262908	A1	19891114	CA 1985-497668	19851213 <--
US 4810801	A	19890307	US 1987-103895	19871001 <--

PRIORITY APPLN. INFO.:

DE 1984-3445669	A	19841214
EP 1985-115547	A	19851206
US 1985-807260	A2	19851210

OTHER SOURCE(S): MARPAT 105:153063
GI



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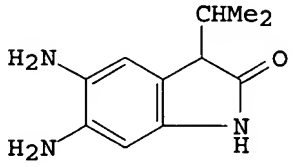


II

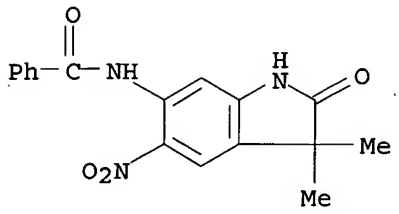
AB The title compds. [I; R1 = H, alkyl, alkenyl, cycloalkyl; R2 = H, alkyl, alkoxy, cyano, substituted carbonyl; R1R2 = cycloalkylene, alkylidene, cycloalkylidene; R3 = (un)substituted Ph; X = bond, alkylene, vinyl] were prepared as cardiovascular agents (no data). Thus, diaminoindole II.2HCl was cyclocondensed with 4-MeOC6H4COCl to give I (R1 = H, R2 = CHMe2, R3 = 4-MeOC6H4, X = bond).

IT 104563-92-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, reduction, and cyclization of)

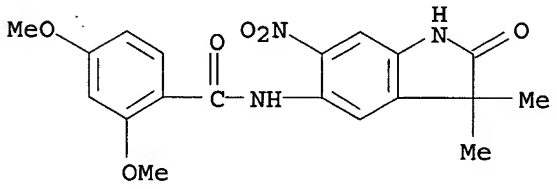
RN 104563-92-0 HCAPLUS

CN Benzamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)- (9CI)

(CA INDEX NAME)



IT 104563-93-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction and cyclization of)
RN 104563-93-1 HCAPLUS
CN Benzamide, N-(2,3-dihydro-3,3-dimethyl-6-nitro-2-oxo-1H-indol-5-yl)-2,4-dimethoxy- (9CI) (CA INDEX NAME)



L10 ANSWER 13 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1986:186410 HCAPLUS
DOCUMENT NUMBER: 104:186410
TITLE: Pyrrolobenzimidazolones, a drug containing them, and their intermediates
INVENTOR(S): Hoelck, Jens Peter; Kampe, Wolfgang; Mertens, Alfred; Mueller-Beckmann, Bernd; Strein, Klaus; Sponer, Gisbert
PATENT ASSIGNEE(S): Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.
SOURCE: Ger. Offen., 37 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3417643	A1	19851114	DE 1984-3417643	19840512 <--
ZA 8503375	A	19860129	ZA 1985-3375	19850506 <--
PL 144822	B1	19880730	PL 1985-253246	19850506 <--
PL 147239	B1	19890531	PL 1985-259262	19850506 <--
PL 147842	B1	19890831	PL 1985-259261	19850506 <--
PL 148017	B1	19890930	PL 1985-259263	19850506 <--
US 4666923	A	19870519	US 1985-731500	19850507 <--
IL 75120	A	19890228	IL 1985-75120	19850507 <--
IL 84769	A	19890228	IL 1985-84769	19850507 <--
AU 8542222	A	19851114	AU 1985-42222	19850509 <--
AU 560349	B2	19870402		
EP 161632	A2	19851121	EP 1985-105675	19850509 <--

EP 161632	A3	19860611			
EP 161632	B1	19910410			
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE					
ES 542976	A1	19860101	ES 1985-542976		19850509 <--
AT 62487	T	19910415	AT 1985-105675		19850509 <--
DK 8502095	A	19851113	DK 1985-2095		19850510 <--
FI 8501869	A	19851113	FI 1985-1869		19850510 <--
FI 81351	B	19900629			
FI 81351	C	19901010			
NO 8501862	A	19851113	NO 1985-1862		19850510 <--
HU 37938	A2	19860328	HU 1985-1775		19850510 <--
HU 193754	B	19871130			
DD 234867	A5	19860416	DD 1985-276201		19850510 <--
SU 1480770	A3	19890515	SU 1985-3894709		19850510 <--
JP 60246386	A	19851206	JP 1985-99742		19850513 <--
JP 06047593	B	19940622			
US 4963686	A	19901016	US 1988-217143		19880705 <--
FI 8803391	A	19880715	FI 1988-3391		19880715 <--
JP 07041474	A	19950210	JP 1993-310823		19931210 <--
JP 07072185	B	19950802			
PRIORITY APPLN. INFO.:			DE 1984-3417643	A	19840512
			DE 1984-3446417	A	19841220
			IL 1985-75120	A	19850507
			US 1985-731500	A3	19850507
			EP 1985-105675	A	19850509
			FI 1985-1869	A	19850510
			US 1987-12098	B1	19870206

OTHER SOURCE(S): MARPAT 104:186410

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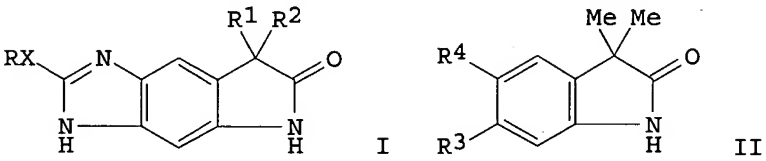
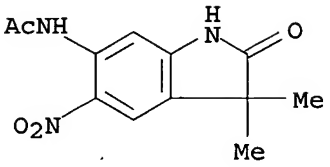


AB The title compds. [I: R = (un)substituted pyridyl; R1 = H, alkyl, alkenyl, cycloalkyl; R2 = H, alkyl, alkenyl; RR1 = alkylene, alkylidene, cycloalkylidene; X = alkylene, CH:CH, bond] and their tautomers and pyridine N-oxides, useful in treatment of heart and circulatory system disorders (no data), were prepared Thus, 2-NCC6H4CH2CN was methylated to give 100% 2-NCC6H4CMe2CN which was cyclized by heating in 90% H2SO4 to give 88% 4,4-dimethyl-1,3(2H,4H)-isoquinoline. This was nitrated (85%) and ring-contracted by the Hofmann method to give 68% 3,3-dimethyl-6-nitro-2-indolinone (II; R3 = NO2, R4 = H). The latter was converted in 5 steps to II (R3 = R4 = NH2) which was cyclocondensed with isonicotinoyl chloride-HCl to give 36% I (R = 4-pyridyl, R1 = R2 = Me, X = bond).

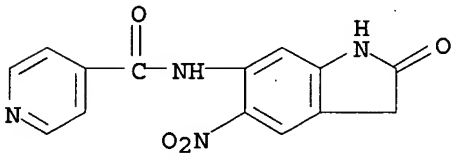
IT 100510-69-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deacetylation of)

RN 100510-69-8 HCAPLUS

CN Acetamide, N-(2,3-dihydro-3,3-dimethyl-5-nitro-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



IT 100510-73-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reductive cyclization of)
RN 100510-73-4 HCAPLUS
CN 4-Pyridinecarboxamide, N-(2,3-dihydro-5-nitro-2-oxo-1H-indol-6-yl)- (9CI) (CA INDEX NAME)



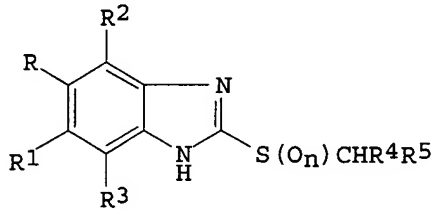
L10 ANSWER 14 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1982:217842 HCAPLUS
DOCUMENT NUMBER: 96:217842
TITLE: Tricyclic imidazole derivatives and their therapeutic use
INVENTOR(S): Krasso, Anna; Ramuz, Henri
PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.
SOURCE: Belg., 49 pp.
CODEN: BEXXAL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
BE 890024	A1	19820222	BE 1981-205721	19810820 <--
CH 644116	A5	19840713	CH 1980-6321	19800821 <--
DK 8103009	A	19820222	DK 1981-3009	19810707 <--
NL 8103690	A	19820316	NL 1981-3690	19810805 <--
US 4435406	A	19840306	US 1981-290032	19810805 <--
AU 8174089	A	19820225	AU 1981-74089	19810814 <--
AU 541834	B2	19850124		
ZA 8105633	A	19820825	ZA 1981-5633	19810814 <--
IL 63576	A	19851031	IL 1981-63576	19810814 <--
DE 3132613	A1	19820624	DE 1981-3132613	19810818 <--
FR 2488890	A1	19820226	FR 1981-15936	19810819 <--
FR 2488890	B1	19850111		
CA 1134829	A1	19821102	CA 1981-384169	19810819 <--
SE 8104941	A	19820222	SE 1981-4941	19810820 <--
SE 452765	B	19871214		
SE 452765	C	19880324		
GB 2082580	A	19820310	GB 1981-25486	19810820 <--
GB 2082580	B	19840307		

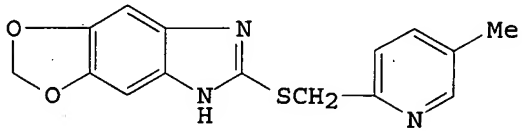
JP 57070886	A	19820501	JP 1981-129475		19810820 <--
AT 8103643	A	19840515	AT 1981-3643		19810820 <--
AT 376665	B	19841227			
US 4554280	A	19851119	US 1983-560698		19831212 <--
US 4599347	A	19860708	US 1983-560699		19831212 <--
PRIORITY APPLN. INFO.:			CH 1980-6321	A	19800821
			US 1981-290032	A3	19810805

OTHER SOURCE(S): CASREACT 96:217842; MARPAT 96:217842

GI



I



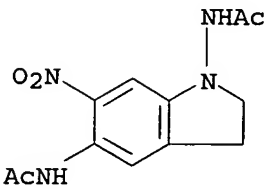
III

AB Imidazoles I [RR1 = CH:CHCH:CH, (un)substituted (CH2)3, (CH2)4, CH2CH2NH, O(CH2)1-3O, CH2OCH2CH2O; R2-R4 = H, alkyl; R5 = (un)substituted 2-pyridyl; n = 0, 1] were prepared Thus 1,3-benzodioxole was converted to the 5-nitro derivative and reduced to the amine which was acetylated and nitrated to give 5-acetamido-6-nitro-1,3-benzodioxole (II). Deacylation of II and reduction gave 5,6-diamino-1,3-benzodioxole which was treated with EtOCS2K to give 5H-1,3-dioxolo[4,5-f]benzimidazole-6-thiol. Treatment of the thiol with 2-chloromethyl-5-methylpyridine gave III which had a ED50 in the Heidenhain test of 1.8 mg/kg orally in dogs.

IT 81864-37-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and deacetylation of)

RN 81864-37-1 HCAPLUS

CN Acetamide, N,N'-(2,3-dihydro-6-nitro-1H-indole-1,5-diyl)bis- (9CI) (CA INDEX NAME)



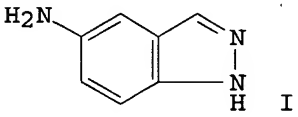
L10 ANSWER 15 OF 15 HCAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1977:195067 HCAPLUS
DOCUMENT NUMBER: 86:195067

10521175.trn

TITLE: Dyeing hair with indolines indoles and indazoles
INVENTOR(S): Parent, Richard Alfred; Loffelman, Frank Fred
PATENT ASSIGNEE(S): American Cyanamid Co., USA
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 4013404	A	19770322	US 1975-565883	19750407 <--
PRIORITY APPLN. INFO.:			US 1970-96224 A1	19701206

GI



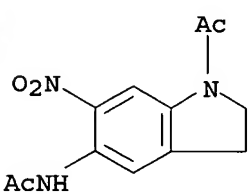
I

AB Hair dyeing compns. for oxidative or direct dyeing methods contain indolines, indoles, or indazoles. There compns. dye keratinaceous fibers, especially hair, shades ranging from ash blond to dark browns. For example, an oxidation, liquid dye composition was prepared by mixing 8 parts cationic surfactant, polyethoxylated oleyl Me ammonium chloride with 83 parts H2O and to it adding 1 part 5-aminoindazole (I) [19335-11-6] dissolved in 8 parts BuOH. The resultant solution was mixed with an equal quant. of 6% H2O2 solution Albino hair tresses immersed in this dye composition were dyed an orange of good color value. When half the I was replaced with the modifier, 5-hydroxyindole, an attractive light-brown shade was obtained on hair. The addition of 1 part of the modifier, resorcinol, to the above composition using 82 parts instead of 83 parts H2O, resulted in attractive light golden brown hair. Methods for preparing some of the azole compds. are given.

IT 21144-84-3P
RL: RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydrolysis of)

RN 21144-84-3 HCAPLUS

CN Acetamide, N-(1-acetyl-2,3-dihydro-6-nitro-1H-indol-5-yl)- (9CI) (CA INDEX NAME)



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COST IN U.S. DOLLARS SINCE FILE TOTAL

	ENTRY	SESSION
FULL ESTIMATED COST	92.05	439.61
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-11.70	-11.70

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